



WHAT IS CLAIMED IS:

1. A method for communicating voice and text associated with a packet-based voice communications session comprising:

receiving voice information from a local participant in a packet-based voice communications session;

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converting the voice information into text;

generating packets encoding the voice information and the text; and communicating the packets encoding the voice information and the text to a remote location.

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- 2. The method of Claim 1, wherein the packet-based voice communications session comprises an Internet protocol (IP) telephony communications session.
- 3. The method of Claim 1, wherein generating the packets encoding the voice information and the text comprises:

generating a first stream of packets encoding the text; and generating a second stream of packets encoding the voice information.

- 4. The method of Claim 3, wherein communicating comprises communicating the first stream of packets using a first Internet protocol (IP) transmission protocol and communicating the second stream of packets using a second IP transmission protocol.
 - 5. The method of Claim 4, wherein:

the first transmission protocol comprises transmission control protocol (TCP); and

the second transmission protocol comprises user datagram protocol (UDP).

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6. The method of Claim 1, further comprising displaying the text using a visual output device.

7. The method of Claim 1, further comprising:

receiving packets encoding remote voice information and remote text from the

remote location;

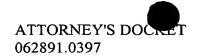
outputting the remote voice information using an acoustic output device; and displaying the remote text using a visual output device.

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8. An interface for a telecommunications device, the interface operable to: receive packets encoding voice information and text of the voice information from a remote location, wherein the voice information and the text are associated with a packet-based voice communications session;

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display the text using a visual display device; and output the voice information using an acoustic output device.

9. The interface of Claim 8, wherein the packet-based voice communications session comprises an Internet protocol (IP) telephony communications session.

The interface of Claim 8, wherein the packets encoding voice information and text comprise:

a first stream of packets encoding voice information from a participant in the communications session at the remote location; and

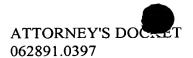
a second stream of packets encoding text generated by converting the voice information.

- 11. The interface of Claim 10, wherein the first stream of packets is communicated using a first Internet protocol (IP) transmission protocol and the second stream of packets is communicated using a second IP transmission protocol.
- 12. The interface of Claim 10, wherein:
 the first transmission protocol comprises transmission control protocol (TCP);
 and

25 the second transmission protocol comprises user datagram protocol (UDP).

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13. \ The interface of Claim 8, further comprising:

receiving local voice information from a local participant in the packet-based voice communications session;

converting the local voice information into local text;

generating packets encoding the local voice information and the local text; and communicating the packets encoding the local voice information and the local text to the remote location;

- 14. The interface of Claim 8, wherein the interface comprises a computer program embodied in a computer readable medium.
- 15. The interface of Claim 8, further operable to output the voice information using speech synthesis to convert the text into an audio output.
- 16. The interface of Claim 8, further operable to translate the text from a first language to a second language.

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Telephony communications software for communicating voice and text associated with a packet-based voice communications session, the software embodied in a computer readable medium and operable to:

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establish the packet-based voice communications session with a remote location; receive voice information from a local participant in the packet-based voice communications session;

convert the voice information into text;

generate packets encoding the voice information and the text;

communicate the packets encoding the voice information and the text to the remote location.

18. The software of Claim 17, wherein the packet-based voice communications session comprises an Internet protocol (IP) telephony communications session.

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19. The software of Claim 17, further operable to: generate a first stream of packets encoding the text; and generate a second stream of packets encoding the voice information.

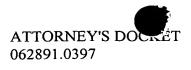
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The software of Claim 19, further operable to: communicate the first stream of packets using a first Internet protocol (IP) transmission protocol; and

communicate the second stream of packets using a second IP transmission protocol.

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21. The software of Claim 20, wherein:

the first transmission protocol comprises transmission control protocol (TCP); and

the second transmission protocol comprises user datagram protocol (UDP).

22. The software of Claim 17, further operable to display the text using a visual output device.

23. The software of Claim 17, further operable to:

receive packets encoding remote voice information and remote text from the remote location;

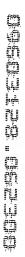
output the remote voice information using an acoustic output device; and display the remote text using a visual output device.

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24. A communications system for communicating voice and text associated with a packet-based voice communications session comprising:

a first communications device operable to establish the communications session with a second communications device, to receive voice information from a local participant in the communications session, convert the voice information into text, generate packets encoding the voice information and the text, and communicate the packets to the second communications device; and

the second communications device operable to receive the packets from the first communications device, display the text using a visual display device, and output the voice information using an acoustic output device.

25. The communications system of Claim 24, wherein the first communications device is further operable to:

generate a first stream of packets encoding the text; and generate a second stream of packets encoding the voice information.

26. The communications system of Claim 25, further operable to: communicate the first stream of packets using a first Internet protocol (IP) transmission protocol; and

communicate the second stream of packets using a second IP transmission protocol.

27. The communications system of Claim 26, wherein: the first transmission protocol comprises transmission control protocol (TCP);

the second transmission protocol comprises user datagram protocol (UDP).

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and

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- 28. The communications system of Claim 24, wherein the second communications device is further operable to translate the text from a first language to a second language.
- 29. The communications system of Claim 24, wherein the second communications device is further operable to:

generate an audio speech signal using the text; and output the audio speech signal using the acoustic output device.

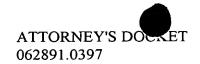
30. The communications system of Claim 24, wherein the communications session comprises a voice over packet (VoP) telephone call.

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A device for communicating voice and text associated with a packet-based voice communications session comprising:

means for receiving voice information from a local participant in a packet-based voice communications session;

means for converting the voice information into text;

means for generating packets encoding the voice information and the text; and

means for communicating the packets encoding the voice information and the text
to a remote location.

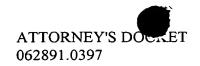
- 32. The device of Claim 31, wherein the packet-based voice communications session comprises an Internet protocol (IP) telephony communications session.
- 33. The device of Claim 31, wherein the means for generating the packets encoding the voice information and the text comprises:

means for generating a first stream of packets encoding the text; and means for generating a second stream of packets encoding the voice information.

- 34. The device of Claim 33, wherein the means for communicating comprises means for communicating the first stream of packets using a first Internet protocol (IP) transmission protocol and means for communicating the second stream of packets using a second IP transmission protocol.
 - 35. The device of Claim 34, wherein: the first transmission protocol comprises transmission control protocol (TCP);

the second transmission protocol comprises user datagram protocol (UDP).

and





36. The device of Claim 31, further comprising means for displaying the text using a visual output device.

37. The device of Claim 31, further comprising:

means for receiving packets encoding remote voice information and remote text

from the remote location;

means for outputting the remote voice information using an acoustic output device; and

means for displaying the remote text using a visual output device.

